

Summary of integrative structure determination of Structural Model of Ghrelin Bound to its G Protein-Coupled Receptor (PDB ID: 8ZZO | pdb_00008zzo, PDB-Dev ID: PDBDEV_00000024)

1. Model Composition	
1.1. Entry composition	- GHSR: chain(s) A (366 residues) - Ghrelin: chain(s) B (28 residues)
1.2. Datasets used for modeling	- Comparative model, Not available - De Novo model, Not available - Mutagenesis data, Not available - NMR data, BMRB: 27600 - Experimental model, PDB: pdb_00001u19 - Experimental model, PDB: pdb_00002rh1 - Experimental model, PDB: pdb_00002y03 - Experimental model, PDB: pdb_00003eml - Experimental model, PDB: pdb_00003odu - Experimental model, PDB: pdb_00003pbl - Experimental model, PDB: pdb_00003rze - Experimental model, PDB: pdb_00003uon - Experimental model, PDB: pdb_00003vw2 - Experimental model, PDB: pdb_00004daj - Experimental model, PDB: pdb_00004djh - Experimental model, PDB: pdb_00004dkl - Experimental model, PDB: pdb_00004ea3 - Experimental model, PDB: pdb_00004ej4 - Experimental model, PDB: pdb_00004iar - Experimental model, PDB: pdb_00004ib4
2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	0, 2
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique DerivedDistanceRestraint: Upper Bound Distance: 3.0 - 4 unique DerivedDistanceRestraint: Upper Bound Distance: 5.0
4. Validation	
4.2. Number of ensembles	0
4.3. Number of models in ensembles	Not applicable
4.4. Number of deposited models	5
4.5. Model precision	Not available

<i>4.6. Data quality</i>	Data quality has not been assessed
<i>4.7. Model quality: assessment of atomic segments</i>	- Clashscore: 1.95-3.70 - Ramachandran outliers: 1-7 - Sidechain outliers: 0-0
<i>4.8. Fit to data used for modeling</i>	Fit of model to information used to compute it has not been determined
<i>4.9. Fit to data used for validation</i>	Fit of model to information not used to compute it has not been determined
5. Methodology and Software	
1. <i>5.1. Method name</i>	Comparative Modeling
<i>5.2. Method type</i>	Multiple Template Comparative Modeling
<i>5.4. Number of computed models</i>	15000
2. <i>5.1. Method name</i>	Flexible Peptide Docking
<i>5.2. Method type</i>	Ab initio folding and docking of peptide
<i>5.4. Number of computed models</i>	10000
3. <i>5.1. Method name</i>	Comparative Modeling
<i>5.2. Method type</i>	Multiple Template Comparative Modeling
<i>5.4. Number of computed models</i>	1000
4. <i>5.1. Method name</i>	Flexible Peptide Docking
<i>5.2. Method type</i>	Ab initio folding and docking of peptide
<i>5.4. Number of computed models</i>	10000
5. <i>5.1. Method name</i>	Comparative Modeling
<i>5.2. Method type</i>	Multiple Template Comparative Modeling
<i>5.4. Number of computed models</i>	1000
6. <i>5.1. Method name</i>	Flexible Peptide Docking
<i>5.2. Method type</i>	Ab initio folding and docking of peptide
<i>5.4. Number of computed models</i>	5000
7. <i>5.1. Method name</i>	Comparative Modeling
<i>5.2. Method type</i>	Multiple Template Comparative Modeling
<i>5.4. Number of computed models</i>	1000

[5.5. Software](#)[ROSETTA](#) (version Rosetta version 3.6)